

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BVoc DEGREE EXAMINATION- DECEMBER 2023
(First Semester)

Branch - NETWORKING AND MOBILE APPLICATION

FUNDAMENTALS OF NETWORKS AND INDUSTRIAL SAFETY

Time: Three Hours

Maximum: 75 Marks

SECTION-A (10 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(10 × 1 = 10)

Module No.	Question No.	Question	K Level	CO
1	1	Point-to-point transmission with exactly one sender and one receiver is sometimes called as (a) unicasting (b) multicasting (c) typecasting (d) broadcasting	K1	CO1
	2	_____ was created to organize machines into domains and maps host names onto IP addresses (a) ANS (b) DNS (c) LAN (d) socket	K2	CO2
2	3	A _____ consists of two insulated copper wires typically about 1mm thick. (a) twisted pair (b) coaxial cable (c) power line (d) fiber optic	K1	CO1
	4	The distance between two maxima or minima is called the _____. (a) wavelength (b) bandwidth (c) frequency (d) speed	K2	CO2
3	5	_____ is an interior gateway routing protocol (a) OSPF (b) DHCP (c) ARP (d) ICMP	K1	CO1
	6	_____ represents 0s and 1s by different changes in the phase of a waveform. (a) Amplitude shift keying (b) Frequency shift keying (c) Phase shift keying (d) pulse code modulation	K2	CO2
4	7	JPEG is defined in International Standard _____. (a) 10909 (b) 10918 (c) 802.1 (d) 10920	K1	CO1
	8	Which one of the following HTTP method appends to a web page? (a) POST (b) PUT (c) TRACE (d) CONNECT	K2	CO2
5	9	_____ is a care or measures taken before hand against possible danger. (a) safety (b) security (c) precaution (d) accident	K1	CO1
	10	In safety management, the _____ color represents mandatory condition. (a) blue (b) yellow (c) red (d) green	K2	CO2

Cont...

SECTION - B (35 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 × 7 = 35)

Module No.	Question No.	Question	K Level	CO
1	11.a.	Outline the working of RFID and sensor networks.	K2	CO3
		(OR)		
	11.b.	Summarize the uses of computer networks.		
2	12.a.	Identify the principles of the layers of the OSI reference model.	K3	CO4
		(OR)		
	12.b.	Classify the different network standardization techniques.		
3	13.a.	Examine the various discrete modulation techniques used for transmitting digital data with discrete analog signals.	K4	CO5
		(OR)		
	13.b.	List the functions of different Internet Control Protocols.		
4	14.a.	Explore the different tags used in hypertext markup language.	K4	CO5
		(OR)		
	14.b.	With a diagram, analyze the architecture of the email system.		
5	15.a.	Identify the different types of industries.	K3	CO4
		(OR)		
	15.b.	Choose the important factors responsible for safety and occupational health.		

SECTION -C (30 Marks)

Answer ANY THREE questions

ALL questions carry EQUAL Marks

(3 × 10 = 30)

Module No.	Question No.	Question	K Level	CO
1	16	Examine the different types of networks	K4	CO5
2	17	Analyze the functionalities of various wireless transmission media	K4	CO5
3	18	Infer the aspects of IP addresses	K4	CO5
4	19	Explore the different content delivery mechanisms	K4	CO5
5	20	Inspect the various security arrangements needed for a major construction project	K4	CO5

Z-Z-Z

END